

# *St. Louis City Ordinance 63621*

FLOOR SUBSTITUTE

BOARD BILL NO. [95] 255

INTRODUCED BY ALDERMAN Stephen Gregali

An Ordinance pertaining to the Mechanical Code of the City of Saint Louis; repealing Ordinance 60513 and Ordinance 62611; adopting the BOCA National Mechanical Code, 1993 Edition with changes, as the Mechanical Code of the City of Saint Louis; and containing a savings clause and an emergency clause.

BE IT ORDAINED BY THE CITY OF ST. LOUIS AS FOLLOWS:

Section One. Ordinance 60513 approved October 23, 1987, and Ordinance 62611, approved April 7, 1992, pertaining to the 1987 BOCA National Mechanical Code; are hereby repealed.

Section Two. The BOCA National Mechanical Code, 1993 Edition as published by the Building Officials Code Administrators International, Inc., a copy of which is on file in the Office of the Register of the City of Saint Louis, is hereby adopted as "The Mechanical Code of the City of Saint Louis, in the State of Missouri", for the governing of the design, installation, construction and maintenance of mechanical systems, by providing reasonable safeguards to protect the public health and safety against the hazards of inadequate, defective or unsafe mechanical systems and installations as herein provided; and that each and all of the regulations, provisions, penalties, conditions and terms of said BOCA National Mechanical Code are hereby referred to, adopted and made a part hereto, as if set out in this ordinance with the additions, insertions, deletions and changes prescribed in Section Three of this Ordinance.

Section Three. The 1993 BOCA National Mechanical Code is amended and changed in the following respects:

Delete Chapter One as printed in its entirety.

Add new Chapter One to read as follows:

CHAPTER 1

ADMINISTRATION

SECTION M 101.0 GENERAL

M 101.1 TITLE: These regulations shall be known as the Mechanical Code of the City of Saint Louis herein referred to as "this code".

M 101.2 SCOPE: The design, installation, maintenance, alteration, relocation and inspection of mechanical systems, including heating systems, ventilating systems, cooling systems, steam and hot water heating systems, water heaters, process piping, boilers and pressure vessels, appliances utilizing gas, liquid or solid fuel, chimneys and vents, mechanical refrigeration systems as herein defined, shall comply with the requirements of this code.

M 101.3 INTENT: This code shall be construed to secure its expressed intent, which is to insure public health, safety and welfare insofar as they are affected by the installation and maintenance of mechanical systems.

## SECTION M 102.0 APPLICABILITY

M 102.1 GENERAL: The provisions of this code shall apply to all matters affecting or relating to structures or premises, as set forth in Section M 101.0.

M 102.1.1 MATTERS NOT PROVIDED FOR: Any mechanical requirement essential for the safety of an existing or proposed building or structure or essential for the safety of the occupants thereof, and which is not specifically covered by this code, shall be determined by the code official.

M-102.2 EXISTING MECHANICAL SYSTEMS: This code shall apply to existing mechanical systems described in this section as if hereafter installed.

1. Mechanical systems serving an occupancy other than the occupancy such systems served at the time this code became applicable.

2. Mechanical systems in a structure moved as specified in Section M-111.0.

M-102.3 EXISTING UTILIZATION CONTINUED: Except as otherwise provided for in this code, a provision in this code shall not require the removal, alteration or abandonment of, nor prevent the continued utilization of, an existing mechanical system.

M 102.4 ADDITIONS OR ALTERATIONS OR REPAIRS: Any addition, alteration or repair, regardless of cost, made to any mechanical system shall be made in compliance with the applicable regulations of this code. Where additions or alterations subject parts of existing systems to loads exceeding those permitted herein, such parts shall be made to comply with this code.

**M 102.5 REFERENCED STANDARDS:** The standards referenced in this code and listed in Chapter 21 of this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced standards, the most stringent provision shall apply.

## **SECTION M 103.0 REPAIRS AND MAINTENANCE**

**M 103.1 REPAIRS:** Minor repairs or replacement of any existing system are permitted to be made in the same manner and arrangement as in the existing system, provided such repairs or replacement are made in a safe manner and are approved.

**M 103.2 MAINTENANCE:** All mechanical systems, both existing and new, and all parts thereof shall be maintained in a safe condition. All devices and safeguards which are required by this code or which were required by a previous statute or code for the structure, shall be maintained in working order.

**M 103.3 RESPONSIBILITY:** The owner, the owner's designated agent or the person collecting rent shall be responsible for the safe maintenance of the mechanical system in any building or structure at all times.

## **SECTION M 104.0 VALIDITY**

**M 104.1 PARTIAL INVALIDITY:** In the event any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions thereof, which are determined to be legal; and it shall be presumed that this code would have been passed without such illegal or invalid parts or provisions.

**M 104.2 SEGREGATION OF INVALID PROVISIONS:** Any invalid part of this code shall be segregated from the remainder of the code by the court holding such part invalid, and the remainder shall remain effective.

**M 104.3 EXISTING STRUCTURES:** The invalidity of any provision in any section of this code as applied to existing buildings and structures shall not be held to affect the validity of such section in its application to buildings and structures hereafter erected.

## **SECTION M-105.0 MECHANICAL EQUIPMENT INSPECTION SECTION**

**M-105.1 CODE OFFICIAL:** There is hereby created a Section of Mechanical Equipment Inspection within the Division of Building and Inspection which shall have control and enforce all codes, regulations and ordinances pertaining to mechanical installations and systems in accordance with this code. The head of this section shall be known as the Mechanical Equipment Inspection Supervisor, who shall be appointed by the Building Commissioner. Throughout this code, the Mechanical Equipment Inspection Supervisor, the Chief Mechanical Engineer, the Building Commissioner and their authorized employees shall be referred to as the code official.

**M 105.2 MECHANICAL EQUIPMENT INSPECTION SUPERVISOR:** There shall be appointed by the Building Commissioner a Mechanical Equipment Inspection Supervisor. The Supervisor shall have five (5) years experience and possess the qualifications established by the Department of Personnel.

**M 105.3 ORGANIZATION:** There shall be appointed by the code official a sufficient number of Mechanical Equipment Inspectors to adequately perform all inspection duties and enforce all ordinances pertaining to the Mechanical Equipment Inspection Section in accordance with subsequent sections of this code and City of Saint Louis budgetary constraints. All Mechanical Equipment Inspectors shall have had at least three (3) years experience and possess the qualifications set forth by the Department of Personnel.

**M-105.4 ASSISTANT TO THE SUPERVISOR:** One such inspector shall assist the Mechanical Equipment Inspection Supervisor. The assistant shall assume the responsibilities of the Mechanical Equipment Inspection Supervisor in the Supervisor's absence or disability.

**M-105.5 RESTRICTION OF EMPLOYEES:** An official or employee connected with the Mechanical Equipment Inspection Section, except one whose only connection is that of a member of the Board of Stationary Engineers, shall not be engaged in, or directly or indirectly connected with the furnishing of labor, materials or appliances for the construction, alteration or maintenance of a building, or the preparation of construction documents thereof, unless that person is the owner of the building; nor shall such code official or employee engage in any work that conflicts with official duties or with the interests of the department.

**M 105.6 RELIEF FROM PERSONAL RESPONSIBILITY:** The code official and employees charged with the enforcement of this code, while acting for the

City of Saint Louis, shall not thereby be rendered liable personally, and are hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act required or permitted in the discharge of official duties. Any suit instituted against any code official or employee because of an act performed in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the City of Saint Louis until the final termination of the proceedings. The code official or any employees shall not be liable for any cost in or arising from any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Any code official or employee of the Division of Building and Inspection, Department of Public Safety, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

The above protection shall also extend to former employees for work performed during their period of employment with the City of Saint Louis.

## SECTION M 106.0 DUTIES AND POWERS OF THE CODE OFFICIAL

M 106.1 GENERAL: The code official shall enforce all of the provisions of this code and shall act on any question relative to the installation, alteration, repair, maintenance or operation of all mechanical systems, devices and equipment, except as otherwise specifically provided for by statutory requirements or as provided for in Sections M-106.1.1 through M-106.7.

M-106.1.1 EMERGENCY CONDEMNATION: Whenever the code official shall find any building, structure, premises or portion thereof no matter for what purpose used, to be in an unsafe or dangerous condition and that there is an actual and potential danger to the occupants or those in the proximity of any building, structure or premises which poses an immediate danger to public safety or welfare, the code official shall order the immediate evacuation of said building, structure or premises. All of the occupants so notified shall immediately vacate the building, structure, or premises and no person shall re-enter until authorized to do so by the code official.

Any person who refuses to leave, interferes with the evacuation of other occupants, or continues any operation after having been given an evacuation order by the Building Official, except such person(s) directed to perform work to remove a violation or unsafe condition shall be deemed in violation of this

section whereupon it shall be the duty of the Police Department to immediately remove such person(s) from said building, structure, or premises and prevent anyone from re-entering the building, structure or premises until such time that the Police Department shall have been notified by the Building Division that the same is in a safe condition.

Any person who shall violate any provisions of this section shall be, upon conviction, subject to the penalties as provided in section M-116.4 of this code.

**M 106-1.2 AUTHORITY TO PLACARD:** The code official has the authority to post a placard in a conspicuous place on a building or premises where the mechanical system has been found to be unsafe or inadequate.

**M 106-1.3 PLACARDED BUILDING:** Placards shall remain on said building until the required repairs, replacements or improvements have been made and accepted by the code official, and it shall be unlawful to deface or willfully remove any such placard that has been posted on a building without first obtaining consent of the code official. It shall be unlawful for any person to reside in, use, rent, lease or occupy such building for any purpose while so placarded and no person shall remove said placards without the consent of the code official.

**M 106.2 APPLICATIONS AND PERMITS:** The code official shall receive applications and issue permits for the installation, replacement, relocation and alteration of mechanical systems and equipment, and inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code. Such application shall describe in detail the nature of the work and the location thereof by street and number. No person shall begin such work unless and until they shall have submitted a proper application and received a permit. In the case of an emergency, work may begin upon the verbal request of the applicant and verbal permission of the code official, upon the condition that such written application shall be filed in the office of the code official without delay.

**EXEMPTION:**

Buildings, structures or premises owned and occupied by the United States of America or the State of Missouri.

**M 106.3 NOTICES AND ORDERS:** The code official shall issue all necessary notices or orders to assure compliance with this code.

**M 106.4 INSPECTIONS:** The code official shall make all of the required inspections, or the code official may accept reports of inspection by authoritative and recognized services or individuals. All reports of such inspections shall be in writing and certified by a responsible officer of such authoritative service or by the responsible individual. The code official is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise subject to the approval of the appointing authority.

**M 106.4.1 DANGEROUS, HAZARDOUS, UNSANITARY, OR UNAPPROVED INSTALLATIONS:** The code official shall have the authority to seal out of service mechanical equipment, devices, and appurtenances covered by the Building and Mechanical Codes when, in the official's opinion, any of these items are in an unsafe, hazardous, or unsanitary condition, or if the installation was made without obtaining the necessary permit or permits, or if the installation violates the provisions of these codes.

**M 106.4.2 NOTICE OF SEALING OUT OF SERVICE:** Before sealing any device out of service, the code official shall, except in cases of emergency, serve ten (10) calendar days written notice upon the building owner, occupant or collector of rent either directly or by United States mail, stating intention to seal the equipment out of service and the reasons therefore.

**M 106.4.3 UNLAWFUL TO REMOVE SEAL:** Any device sealed out of service by the code official shall be plainly marked with a sign or tag indicating such sealing, and any defacing or removal of the sign or tag, or any tampering with or removal of the seal without approval of the code official, or operation of the sealed unit, shall constitute a violation of this code. The fine for violation of this section shall be as set forth in Section M 116.4.

**M-106.4.4 UTILITY DISCONNECT:** Whenever the code official determines that there is an eminent danger to public safety, the code official may request that the public utilities be disconnected to that structure or premises.

**M 106.5 IDENTIFICATION:** The code official shall carry proper identification when inspecting structures or premises in the performance of duties under this code.

**M 106.6 RULE MAKING AUTHORITY:** The code official shall have authority as necessary in the interest of public health, safety and general welfare, to adopt and promulgate rules and regulations to interpret and implement the provisions of this code to secure the intent thereof and to designate requirements applicable because of local climatic or other conditions. Such rules shall not have the effect of waiving structural or fire performance requirements specifically provided for in this code, or of violating accepted engineering practice involving public safety.

**M 106.6.1 ACCEPTED ENGINEERING PRACTICE:** In the absence of provisions not specifically contained in this code or approved rules, the regulations, specifications and standards listed in Chapter 21 shall be deemed to represent accepted engineering practice in respect to the material, equipment, system or method of construction therein specified.

**M 106.7 DEPARTMENT RECORDS:** The code official shall keep official records of mechanical applications received, permits issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for three (3) years, except notices and orders which have been complied need not be kept.

## **SECTION M 107.0 APPROVAL**

**M 107.1 APPROVED MATERIALS AND EQUIPMENT:** All materials, equipment and devices not covered by this code and approved by the code official shall be constructed and installed in accordance with such approval.

**M 107.2 MODIFICATIONS:** For minor variations and where there are practical difficulties and undue hardship, the code official shall have the right to vary or modify the provisions of this code upon application by the owner or the owner's representative, provided that the spirit and intent of the law is observed and public health, safety and welfare is assured.

**M 107.3 MATERIALS AND EQUIPMENT RE-USE:** Materials, equipment and devices shall not be re-used unless such elements have been reconditioned, tested and placed in good and proper working condition and approved by the code official.

**M 107.4 ALTERNATIVE MATERIALS AND EQUIPMENT:** The provisions of this code are not intended to prevent the use of any material or equipment or to prohibit any method of construction not specifically prescribed by this code,



provided that any such alternative has been approved. An alternative material, equipment or method of construction shall be approved where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

**M 107.4.1 RESEARCH AND INVESTIGATIONS:** Sufficient technical data shall be submitted by the applicant to substantiate the proposed installation of any alternative material or assembly. If it is determined that the evidence submitted is satisfactory proof of performance for the proposed installation, the code official shall approve such alternative subject to the requirements of this code. The costs of all tests, reports and investigations required under these provisions shall be paid for by the applicant.

## **SECTION M 108.0 APPLICATION FOR PERMIT**

**M 108.1 PERMITS REQUIRED:** No person shall commence any mechanical work until a permit for such work has been issued by the code official. The fees for said permits shall be paid to the City of Saint Louis for each permit herein required. All work shall be done by the person or corporation in whose name the permit or permits required by this section are issued, or any other qualified person or corporation designated by the permit holder. Any person who shall fail to comply with or who shall violate any of the provisions of this section shall be subject to the penalty provisions of Section M 116.4.

**M-108.1.1 PERMITS NOT REQUIRED:** Permits shall not be required for any of the following:

1. Any portable heating appliance.
2. Any portable ventilation equipment.
3. Any portable cooking unit.
4. Any steam, hot water or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any minor part which does not alter approval of equipment or make such equipment unsafe.
6. Any portable evaporation cooler.

7. Any self-contained refrigeration system containing 10 pounds (4.53 kg) or less of refrigerant, or actuated by motors of 1 horsepower (0.75 kw) or less.

**M 108.2 FORM:** The application for a permit for mechanical work shall be in such written form as the code official prescribes and shall be accompanied by the required fee as prescribed in Section M-113.0 and an adequate written description of the proposed mechanical work.

**M 108.3 BY WHOM APPLICATION IS MADE:** The application for a permit shall be made by the owner or lessee of a structure, or the agent of either, or by the registered design professional employed in connection with the proposed work or the contractor employed in connection with the proposed work. The full names, addresses and telephone numbers of the owner, lessee, applicant and the responsible officers, if the owner or lessee is a corporate body, shall be stated in the application.

**M 108.4 CONSTRUCTION DOCUMENTS:** The code official is authorized to require the submission and approval of a set of construction documents showing the nature and extent of the proposed work before a permit is issued. If, in the course of the work, it is found necessary to make any change from the approved construction documents on which a permit has been issued, amended construction documents shall be submitted, and if approved, a supplementary permit shall be issued, after payment of any additional fees, to cover the change after the same conditions required to secure the original permit have been satisfied. The code official is permitted to waive the requirements for filing construction documents where the work involved is of a minor nature. When the quality of the materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term "legal" or its equivalent used as a substitute for specific information.

**M-108.5 ENGINEERING DETAILS:** The code official shall require to be filed adequate details of mechanical and electrical work including computations, diagrams and other essential technical data. All construction documents prepared by a registered design professional shall bear the original seal and signature in ink of that person. Construction documents for structures more than two stories in height shall indicate how required structural and fire resistance rating integrity will be maintained, and where penetrations will be made for electrical, mechanical, plumbing and communication conduits, pipes and systems.

**M 108.5.1 SEISMIC INSTALLATIONS:** Plans for installations which must meet the seismic requirements of the Building Code listed in Chapter 21 of this code shall show the details of all pertinent anchorage and bracing and shall bear the original seal and signature in ink of a registered design professional licensed to practice in the State of Missouri.

**M 108.6 AMENDMENTS TO APPLICATION:** Subject to the time limitations of Section M 108.7, amendments to the construction documents, application or other records accompanying the same shall be filed at any time before completion of the work for which the permit is sought or issued. Such amendments shall be deemed part of the original application and shall be filed in the same manner as the original.

**M 108.7 TIME LIMITATION OF APPLICATION:** An application for a permit for any proposed work shall be deemed to have been abandoned six (6) months after the date of filing, unless such application has been diligently prosecuted or a permit shall have been issued. The code official may grant one or more extensions of time for additional periods not exceeding one hundred eighty (180) days each, if there is reasonable cause.

## **SECTION M 109.0 PERMITS**

**M 109.1 ACTION ON APPLICATION:** The code official shall examine or cause to be examined all applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of all pertinent ordinances of the City of Saint Louis, the code official shall reject such application in writing, stating the reasons therefore. If the code official is satisfied that the proposed work conforms to the requirements of this code and all laws and ordinances applicable thereto, the code official shall issue a permit therefor as soon as practicable. A mechanical permit shall not be transferable.

**M 109.1.1 APPROVAL IN PART:** The code official is authorized to issue a permit for the installation of part of a mechanical system before the application for the whole system has been submitted, provided adequate information and detailed statements have been filed complying with all the pertinent requirements of this code. Holders of such permits shall proceed at their own risk with the work and without assurance that a permit for the entire system shall be granted.

**M-109.2 SUSPENSION OF PERMIT:** Any permit issued shall become invalid if the authorized work is not commenced within six (6) months after issuance of the permit, or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work. The code official may grant one or more extensions of time for an additional period the total not to exceed six (6) months if there is reasonable cause.

**M 109.3 PREVIOUS APPROVALS:** Except for unsafe mechanical systems or installations, this code shall not require changes in the construction documents or mechanical work for which a lawful permit has been heretofore issued or otherwise lawfully authorized, and the installation of which shall have been actively prosecuted within ninety (90) days after the effective date of this code and is completed with dispatch.

**M-109.4 SIGNATURE TO PERMIT:** The code official's signature shall be attached to every permit; or the code official shall authorize a subordinate to affix such signature thereto.

**M-109.5 CONSTRUCTION DOCUMENTS:** One set of construction documents shall be retained by the code official and another set shall be kept at the building site, open to inspection by the code official at all reasonable times.

**M-109.6 REVOCATION OF PERMIT:** The code official shall revoke a permit or approval issued under the provisions of this code in case of any false statement or misrepresentation of fact in the application or on the construction documents upon which the permit or approval was based. A permit shall also be considered for revocation under the following provisions:

1. The owner of the property or the contractor shall request cancellation in writing stating the reasons for the request for cancellation. No refund of fees shall be made.
2. The code official may revoke the permit for fraud, for non compliance with the code or for failure to pay the prescribed fees.

**M 109.6.1 WORK NOT IN COMPLIANCE:** Should the mechanical contractor install work that is not in compliance with the mechanical, fire or building code, the contractor shall be directed by the code official to make necessary corrections to assure code compliance and no other permits shall be issued to said contractor until such work is corrected and approved by the code official.

M-109.7 POSTING OF PERMIT: A true copy of the permit shall be kept on the site of operations, open to public inspection during the entire time of prosecution of the work and until the completion of the same.

## SECTION M-110.0 DEMOLITION OF STRUCTURES

M-110.1 SERVICE CONNECTIONS: Fuel-fired or electrically supplied heating or cooling appliances or equipment shall not be removed from any structure to be demolished until the service supplied to the structure for such equipment has been terminated by the utility company.

## SECTION M 111.0 MOVED STRUCTURES

M 111.1 GENERAL: Before any structure that has been moved within or into the City of Saint Louis is occupied, all mechanical equipment and devices shall be inspected and tested for safe operation and compliance with the requirements of this code.

EXCEPTION: Mechanical systems within manufactured units bearing certification of the Missouri Public Service Commission.

## SECTION M 112.0 CONDITIONS OF PERMIT

M 112.1 PAYMENT OF FEES: A permit shall not be issued until the fees prescribed in Section M 113.0 have been paid. A permit may be revoked if payment is returned for insufficient funds.

M 112.2 COMPLIANCE WITH CODE: The permit shall be a license to proceed with the work and shall not be construed as authority to violate, cancel or set aside any of the provisions of this code, except as specifically stipulated by variation as granted by the Board of Building Appeals.

M 112.3 COMPLIANCE WITH PERMIT: All work shall conform to the approved application and construction documents for which the permit has been issued and any amendments thereto.

## SECTION M 113.0 FEES AND SURCHARGES

M 113.1 GENERAL: A permit to begin work for new construction, alteration or replacement shall not be issued until the prescribed fees shall have been

paid, nor shall an amendment to a permit necessitating an additional fee because of the additional work involved be approved until the additional fee has been paid. Fees for the inspections herein prescribed shall be paid to and collected by the City of Saint Louis.

M 113.2 FEE SCHEDULE: The permit fee for all mechanical work shall be as indicated in Table M 113.2.

<b>TABLE M-113.2</b> <b>FEES FOR MECHANICAL PERMITS</b>			
<b>ITEM</b>	<b>FEE</b>	<b>MINIMUM FEE</b>	<b>REMARKS AND REQUIREMENTS</b>
<b>ELEVATORS</b> Per unit - 5 floors or less  Per unit - more than 5 floors	\$ 70.00  \$140.00	\$ 70.00	To install, relocate or alter unit
<b>MANLIFT, SIDEWALK ELEVATOR, DUMBWAITER, MOVING STAIRWAYS, MOVING SIDEWALKS</b>	\$ 85.00	\$ 85.00	To install, relocate or alter unit
<b>AUTO LIFTS - Per Unit</b>	\$ 55.00	\$ 55.00	To install, relocate or alter unit
<b>WORKMENS HOIST - Per Unit</b>	\$100.00		To install, relocate or alter unit
<b>MISCELLANEOUS HOISTING AND ELEVATING EQUIPMENT - Per Unit</b>	\$ 55.00		To alter, relocate or alter unit
<b>REFRIGERATION SYSTEM (See NOTE)</b> Up to 20 tons For each additional 5 tons or fraction thereof	\$4.25/ton  \$ 4.25	\$ 15.00	To install, relocate or alter unit
<b>VENTILATION SYSTEMS - Permit Fee</b>  2,000 cfm to 15,000 cfm  Over 15,000 cfm	\$ 40.00  \$ 70.00		To install, relocate or alter unit

EXHAUST HOODS Up to 5,000 cfm	\$ 20.00		To install, relocate or alter unit
Over 5,000 cfm	\$ 35.00		
BOILERS-LOW PRESSURE - per boiler			
Up to 500,000 BTU/Hr. input	\$ 20.00		
500,001 - 1,000,000 BTU/Hr. input	\$ 28.00	\$ 20.00	To install, relocate or alter unit
Over 1,000,000 BTU/Hr. input	\$ 42.00		
BOILERS-HIGH PRESSURE - per boiler			
Up to 200 sq.ft. of heating surface	\$ 20.00		
Over 200 but less than 2,000 sq.ft. of heating surface	\$ 28.00	\$ 20.00	To install, relocate or alter unit
2,000 sq.ft. or more of heating surface	\$ 42.00		
UNFIRED PRESSURE VESSELS - Per unit	\$ 20.00	\$ 20.00	To install, relocate or alter unit
FIRE DAMPERS	\$ 15.00		To install, relocate or alter unit

NOTE: All installations of refrigeration and/or air conditioning equipment require a permit except the following:

- a. Portable equipment (window units)
- b. Units of less than 12,000 BTU per hour capacity.
- c. Incremental (through the wall) cooling or heating/cooling units.
- d. Condensing units serving buildings of six (6) units or less.

All installations of ventilation systems (ducted) require a permit except ventilation systems under 2,000 cfm capacity.

M 113-2.1 CITY OF SAINT LOUIS PROJECTS: Mechanical permit fees shall not be waived for contractors working in facilities owned and operated by the City of Saint Louis.

M 113.3 INITIAL INSPECTIONS: The fees for all mechanical initial inspections shall be charged at the rate prescribed in Table M 113.3. This shall be in addition to the mechanical permit fee set forth in Table M-113.2.

<b>TABLE M-113.3 MECHANICAL INITIAL INSPECTION FEES</b>			
<b>ITEM</b>	<b>FEE</b>	<b>MINIMUM FEE</b>	<b>REMARKS AND REQUIREMENTS</b>
ELEVATORS Per unit per floor rise	\$ 6.00	\$ 30.00	
MANLIFT, SIDEWALK ELEVATOR, DUMBWAITER, MOVING STAIRWAYS, MOVING SIDEWALKS - Per unit	\$ 35.00	\$ 30.00	
Escalator	\$ 21.00		
Sidewalk Elevator, Dumbwaiter	\$ 5.50		
Manlift, per floor			
AUTO LIFTS - Per unit	\$ 20.00		
WORKMENS HOIST - Per floor	\$ 5.50	\$ 30.00	
MISCELLANEOUS HOISTING AND ELEVATING EQUIPMENT	\$ 20.00		
REFRIGERATION SYSTEM Up to 10 tons	\$2.00/ton	\$ 7.00	
	\$ 28.00		
Over 10 tons to 25 tons	\$ 50.00		
Over 25 tons to 100 tons			



Over 100 tons to 300 tons	\$ 63.00		
Over 300 tons to 1000 tons	\$ 77.00		
Over 1000 tons /TD>	\$112.00		
<b>VENTILATION SYSTEMS</b> 2,000 cfm TO 15,000 cfm	\$ 20.00		
Over 15,000 cfm	\$ 35.00		
<b>EXHAUST HOODS</b> Up to 5,000 cfm	\$ 20.00		
Over 5,000 cfm	\$ 35.00		
<b>BOILERS-LOW PRESSURE -</b> per boiler Without Manhole	\$ 10.00		
With Manhole	\$ 17.00		
<b>BOILERS-HIGH PRESSURE -</b> per boiler Without Manhole	\$ 17.00		
With Manhole	\$ 28.00		
<b>FIRE DAMPERS - first damper</b> - each additional	\$ 15.00		
	\$ 10.00		
<b>UNFIRED PRESSURE</b> <b>VESSELS - per unit</b> Without Manhole	\$ 10.00		
With Manhole	\$ 17.00		

**M-113.4 ACCOUNTING:** The code official shall keep an accurate account of all fees collected.

**M-113.5 FEES FOR ABANDONED WORK OR REVOKED PERMIT:** Fees shall not be waived or refunded for any mechanical permit that has been abandoned, canceled or revoked.

**M-113.6 WORK STARTED SURCHARGE:** In case any work for which a permit required by this code is started or proceeded with prior to the permit being issued, the total normal fees applicable shall be increased by the amount as set forth in Table M-113.6. The payment of said surcharge shall not relieve any persons from fully complying with the requirements of this code for performance or execution of the work, nor from other penalties prescribed by law.

<b>TABLE M- 113.6SCHEDULE FOR SURCHARGE</b>	
<b>PERMIT FEE</b>	<b>SURCHARGE</b>
\$ 0 TO \$ 50	\$ 30.00
\$ 51 TO \$ 200	\$ 90.00
\$ 201 TO \$ 500	\$ 240.00
\$ 501 TO \$ 2,000	\$ 360.00
\$ 2,001 TO \$ 10,000	\$ 480.00
OVER \$ 10,000	\$1000.00

## **SECTION M 114.0 INSPECTION**

**M-114.1 REQUIRED:** All equipment for which a permit is obtained under this code shall be inspected and approved. Any portion of equipment intended to be concealed by any permanent portion of the structure shall not be concealed until inspected. The code official shall have the authority to require any concealment to be removed. Failure to comply with this order of the code official may result in condemnation of the structure or any part thereof and prohibition of occupancy. When installation of any equipment is complete, a final inspection shall be made. Equipment regulated by this code shall not be connected to the fuel or power supply and placed in normal operation until such equipment complies with all applicable requirements of this code, and a final inspection has been completed.

**M-114.1.1 REPLACEMENT EQUIPMENT:** The requirements of Section M-114.1 shall not be considered to prohibit the operation of any heating equipment installed to replace existing heating equipment serving an occupied portion of a structure in the event a request for inspection of such heating equipment has been filed with the department not more than 48 hours after replacement work is completed, and before any portion of such equipment is concealed by any permanent portion of the structure.

**M-114.1.2 INSPECTION AGENCY:** The code official shall accept reports of approved inspection agencies, provided such agencies satisfy the requirements as to qualification and reliability.

**M-114.1.2.1 EVALUATION AND FOLLOW-UP INSPECTION SERVICES:** Prior to the approval of a closed, prefabricated mechanical system and the issuance of a mechanical permit, the code official, if deemed necessary, shall require the submittal of an evaluation report on each prefabricated mechanical system, indicating the complete details of the mechanical system, including a description of the mechanical system and its components, the basis upon which the mechanical system is being evaluated, test results and similar information, and other data as necessary for the code official to determine conformance to this code.

**M-114.1.2.2 EVALUATION SERVICE:** The code official shall designate the evaluation service of an approved agency as the evaluation agency, and review such agency's evaluation report for adequacy and conformance to this code.

**M-114.1.2.3 FOLLOW-UP INSPECTION:** Except where all mechanical systems, service equipment and accessories have ready access provided for complete inspection at the site without disassembly or dismantling, the code official shall conduct the frequency of in-plant inspections necessary to assure conformance to the approved evaluation report or shall designate an independent, approved agency to conduct such inspections. The inspection agency shall furnish the code official with the follow-up inspection manual and a report of inspections upon request, and the mechanical system shall have an identifying label permanently affixed to the system indicating that factory inspections have been performed.

**M-114.1.2.4 TEST AND INSPECTION RECORDS:** All required test and inspection records shall be available to the code official at all times during the fabrication of the mechanical system and the erection of the building; or such records as the code official designates shall be filed.

**M 114.2 FINAL INSPECTION:** Upon completion of the mechanical work and before final approval is given, a final inspection shall be made. All violations of

any code, any approved construction document or the mechanical permit shall be noted, and the holder of the mechanical permit shall be notified of the discrepancies. All violations shall be abated before final approval.

**M 114.3 RIGHT OF ENTRY:** In the discharge of duties, the code official shall have the authority to enter at any reasonable time any building, structure or premises in the City of Saint Louis for which a permit has been issued and for which a notice of approval has not been issued in accordance with Section M-118.0.

For all other buildings, structures or premises, when the code official has reasonable cause to believe that a code violation exists, the code official is authorized to enter the building, structure or premises at reasonable times to inspect. Prior to entering into a space not otherwise open to the general public, the code official shall make a reasonable effort to locate the owner or other person having charge or control of the building, structure or premises, present proper identification and request entry. If requested entry is refused or not obtained, the code official shall pursue recourse as provided by law.

**M-114.4 COORDINATION OF INSPECTIONS:** Whenever in the enforcement of this code or another code or ordinance, the responsibility of more than one code official is involved, it shall be the duty of the code officials involved to coordinate their inspections and administrative orders as fully as practicable so that the owners and occupants of the structure shall not be subjected to visits by numerous inspectors or multiple or conflicting orders. Whenever an inspector from any agency or department observes an apparent or actual violation of some provision of some law, ordinance or code not within the inspector's authority to enforce, the inspector shall report the findings to the code official having jurisdiction.

**M 114.5 LEGAL COMPLIANCE:** All legal assistance necessary to effect compliance of the mechanical systems of such premises with this section shall be supplied to the code official by the City Counselor and other City of Saint Louis agencies. The Fire and Police Departments of the City of Saint Louis shall, upon request, assist the code official in the enforcement of this code.

## **SECTION M 115.0 WORKMANSHIP**

**M 115.1 GENERAL:** All work shall be conducted, installed and completed in a workmanlike and approved manner so as to secure the results intended by this code.

## SECTION M 116.0 VIOLATIONS

**M 116.1 UNLAWFUL ACTS:** It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or operate mechanical equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

**M 116.2 NOTICE OF VIOLATION:** The code official shall serve a written notice of violation or order to the person, firm or corporation responsible for the erection, installation, alteration, extension, repair, removal, demolition or operation of mechanical equipment or systems in violation of the provisions of this code, or in violation of a detailed statement, or the approved construction documents thereunder, or in violation of a permit issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**M 116.2.1 METHOD OF NOTICE:** If the inspection, reinspection, or test reveals failure of any new installation, addition, alteration or replacement to comply with the provisions of this code, the installation shall be declared unlawful by the code official, and a written notice of violation shall be given or mailed to either the responsible individual, person, firm or corporation to whom the permit was issued, or to the owner of the structure, or both; or to the legally authorized representative of the permit holder, owner or both.

**M 116.3 PROSECUTION OF VIOLATION:** If the notice of violation is not complied within the time stated in the Notice of Violation, but no longer than thirty (30) days, the code official shall request the legal counsel of the City of Saint Louis to institute the appropriate proceedings at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto. The time for compliance may be extended by the code official, upon written request, if there are extenuating circumstances.

**M 116-3.1 COORDINATION:** On existing structures which involve occupancy, general rehabilitation, or other problems which involve the development of construction documents and/or issuance of a building permit, restoration to original occupancy, or other problems which require concurrent action by other departments of the City of Saint Louis, the code official may make the compliance date of any violation notice with regard to any given

premises coincide with the compliance date of violations against the same premises by said other departments of the City of Saint Louis.

**M 116.4 VIOLATION PENALTIES:** Any person, partnership or corporation who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair mechanical equipment or systems in violation of the approve construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall, upon conviction, be subject to a fine of not more than five hundred dollars (\$500.00), or imprisonment not exceeding ninety (90) days, or both such fine and imprisonment. Each day that a violation continues shall be deemed a separate offense.

**M 116.5 ABATEMENT OF VIOLATION:** The imposition of the penalties herein prescribed shall not preclude the legal officer of the City of Saint Louis from instituting appropriate action to prevent unlawful construction or to restrain, correct or abate a violation, or to prevent illegal occupancy of a building, structure or premises, or to stop an illegal act, the conduct of business or operation of mechanical equipment or systems on or about any premises.

#### **SECTION M 117.0 STOP WORK ORDER**

**M 117.1 NOTICE:** Upon notice from the code official that work on any building or structure is being prosecuted contrary to the provisions of this code or in an unsafe and dangerous manner, or without permit, such work shall be immediately stopped upon issuance of a stop work order. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. The stop work order shall state the conditions under which work will be permitted to resume. The work shall not resume until approval is granted and the stop work order is lifted by the code official.

**M 117.2 UNLAWFUL CONTINUANCE:** Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe conditions, shall be subject to immediate arrest and, if convicted, be subject to the penalty provisions of Section M 116.4.

#### **SECTION M 118.0 NOTICE OF APPROVAL**

**M-118.1 APPROVAL:** After the prescribed tests and inspections indicate that the work complies in all respects with this code, all equipment subject to annual inspection shall be identified by a tag bearing the city identification number and, where applicable, a sticker denoting approval shall be applied to all other equipment.

**M-118.2 TEMPORARY OCCUPANCY:** Upon the request of the holder of a permit, the code official may issue a temporary authorization before the entire work covered by the permit is completed, provided that such portion or portions will be put into service safely prior to full completion of the structure without endangering public health or welfare.

## **SECTION M 119.0 UNSAFE CONDITIONS**

**M 119.1 GENERAL:** All mechanical materials and equipment, regardless of type, which are worn, damaged, defective or constructed so as to constitute a hazard to human life, health, safety, welfare or property are hereby declared illegal, and shall be abated by repair and rehabilitation or removal, or by cessation of service.

**M-119.2 RECORD:** The code official shall cause a report to be filed in the office of the code official on an unsafe condition. The report shall state the occupancy of the structure and the nature of the unsafe condition.

**M 119.2.1 NOTICE OF ACCIDENT:** The owner, lessee or person in charge of any mechanical equipment identified in this code shall immediately notify the code official of each and every accident to a person involving medical attention or damage to apparatus or property on, or about, or in connection with said installation; and shall afford the code official or other authorized agent of the City of Saint Louis every facility for investigating the accident.

**M 119.2.2 DAMAGED EQUIPMENT:** The removal of any part of the damaged construction or operating mechanism from the premises is forbidden until permission has been granted by the code official.

**M 119.2.3 RESTORATION OF USE:** When an accident involves the failure or destruction of any part of the system, operating mechanism, or of the structure housing the equipment, the re use of the installation shall be unlawful until it has been made safe; and a new permit shall be obtained for any installation requiring a permit.

M-119.3 NOTICE: If an unsafe condition is found, the code official shall serve on the owner, agent or person in control of the structure, a written notice that describes the condition deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe material or equipment to be removed or repaired within the time stipulated by the code official.

M-119.4 METHOD OF SERVICE: Such notice shall be deemed properly served if a copy thereof is

(a) delivered to the owner personally; or

(b) sent by regular mail, postage prepaid, direct to the owner or the owners place of business or the address currently recorded in the City of Saint Louis. If the letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's agent or upon the person responsible for the structure shall constitute service of notice upon the owner; or

(c) publication in a newspaper of general circulation in the City of Saint Louis.

M-119.5 RESTORATION: The material or equipment determined to be unsafe by the code official is permitted to be restored to a safe condition. To the extent that repairs, alterations or additions are made during the restoration of the structure, such repairs, alterations and additions shall comply with the requirements of Sections M-102.4 and M-103.0.

M-119.6 DISREGARD OF NOTICE: Upon refusal or neglect of the person served with an unsafe notice to comply with the requirements of the order to abate the unsafe condition, the legal council of the City of Saint Louis shall be advised of all the facts in order to pursue recourse provided by law.

## SECTION M 120.0 EMERGENCY MEASURES

M 120.1 IMMINENT DANGER: When there is an actual and immediate condition which would endanger life, the code official is hereby authorized and empowered to order and require the occupants to vacate the premises forthwith. The code official shall cause to be posted at each entrance to such premises a notice reading as follows:



**DANGER! THIS PREMISES IS UNSAFE AND HAS BEEN CONDEMNED.  
ALL PERSONS ARE WARNED TO KEEP AWAY.**

It shall be unlawful for any person to enter such premises except for the purpose of making the required repairs or removal. The procedure for this notice shall be as set out in section 119.4 of the Building Code of the City of Saint Louis, as amended.

**M 120.1.1 UTILITIES:** When, in the opinion of the code official, there is an imminent danger to human life, the code official is hereby authorized to order the severance of any affected utility service at no charge to the City by the utility.

### **SECTION M-121.0 MEANS OF APPEAL**

**M 121.1 APPEALS:** Any person aggrieved by the decision of the code official, or any Board hereunder, may appeal said decision to the Board of Building Appeals in the manner prescribed in Section

121.0 of the Building Code. The fee for said appeal is as prescribed in said Building Code.

### **SECTION M-122.0 BOARD OF STATIONARY ENGINEERS**

**M 122.1 GENERAL:** There is hereby established a Board of Stationary Engineers. The Board shall act in an advisory capacity to the code official in the preparation of rules and regulations regarding installation, use and operation of boilers, steam generators and unfired pressure vessels consistent with the provisions of this code.

**M-122.1.1 COMPOSITION OF BOARD:** The Board of Stationary Engineers shall be composed of three (3) members, one (1) member who shall be the code official or duly authorized representative and two (2) other members who shall be appointed by the Director of Public Safety.

The two (2) members appointed by the Director of Public Safety shall be engineers licensed by the City of Saint Louis under the provisions of this section as Class I licensed Stationary Engineers, with a minimum of five (5)

years experience in the operation and maintenance of steam engines, steam boilers or steam turbines. The Board shall elect their own chairman.

**M 122.1.2 DUTIES OF THE BOARD:** The Board of Stationary Engineers shall give examinations to all applicants for Stationary Engineer licenses, issue Boiler Operator Certificates of Competency or Stationary Engineer Licenses to those who pass their respective tests, suspend or revoke such certificate or license for failure to maintain the standards imposed by this section of the code, and may order the reinspection of any boiler, steam generator or unfired pressure vessel whenever deemed necessary for public safety.

**M 122.2 BOARD SESSIONS:** The Board of Stationary Engineers shall provide for regular meetings and the code official shall act as the secretary to the Board and shall keep the minutes of all proceedings. The Board shall convene for business at least once a month, and at such additional times as the chairman shall designate, to conduct the business of the Board. A majority of the members of the Board of Stationary Engineers shall constitute a quorum. The Secretary shall keep a register of the names and addresses of all successful applicants designating those found to be qualified for the various classes provided herein.

**M 123.3 RULES AND REGULATIONS:** The Board of Stationary Engineers shall have the power to adopt such rules and regulations consistent with this section as it may deem necessary for the application of the provisions of this section. Such rules and regulations shall become effective upon approval by the majority of the Board, and shall be on file in the office of the code official, and shall be available to the public upon request.

**M 122.4 BOILER OPERATOR CERTIFICATE OF COMPETENCY:** The operation of boilers or steam generators which are generating saturated steam in a pressure range of fifteen (15) psig minimum to one hundred and fifty (150) psig maximum each of which boilers has not more than one hundred (100) square feet of rated heating surface shall be at all times in the charge of a certified Boiler Operator. Application for a Boiler Operator's Certificate of Competency is to be made to the code official or duly authorized representative. The code official upon finding that the applicant is thoroughly familiar with the operational principles which concern the safety and care of the boiler or steam generator, shall issue to such applicant a Boiler Operator Certificate of Competency. The certificate is issued for work at a single specific location as designated on the application and is not transferable. The fee for the examination shall be as listed in Table M 122.9.

**M-122.5 LICENSING OF STATIONARY ENGINEERS REQUIRED:** All Stationary Engineers shall be licensed as to the class as set forth in sections 122.5.1 through 122.5.4.

**M-122.5.1 LICENSING OF OPERATORS OF BOILERS OR STEAM GENERATORS, LESS THAN 1500 SQUARE FOOT OF HEATING SURFACE:** Any boiler or steam generator which has not more than 1500 square feet of rated heating surface, and which is rated to generate steam at pressures between fifteen (15) psig and three hundred (300) psig maximum or which is rated to generate hot water above 160 psig and 250oF to 300 psig, and associated equipment, shall be in the charge of an attending Class II or a Class I licensed Stationary Engineer, whenever in operation. Square footage shall be determined by the total input to a single header.

**M 122.5.2 LICENSING OF OPERATORS OF BOILERS OR STEAM GENERATORS IN EXCESS OF 1500 SQUARE FEET OF HEATING SURFACE:** Any boiler or steam generator producing saturated or superheated steam above 212oF in excess of fifteen (15) psig having a rated heating surface in excess of one thousand five hundred (1,500) square feet of hot water or any other liquid as defined in this code, or any boiler or steam generator producing saturated or superheated steam or any high temperature liquid above 212oF in excess of three hundred (300) psig, regardless of rated heating surface, and any steam engine or steam turbine, associated with either of the said boilers or steam generators shall be in the charge of an attending Class I licensed Stationary Engineer, whenever in operation. Square footage shall be determined by the total input to a single header.

**M 122.5.3 LICENSING OF OPERATORS OF AMMONIA SYSTEMS FROM 50 TO 100 TONS:** Any ammonia system totaling between fifty (50) tons and one hundred (100) tons rated capacity shall be in the charge of an attending Class I or Class II licensed Stationary Engineer where located in any and all buildings, whenever in operation.

**M 122.5.4 LICENSING OF OPERATORS OF AMMONIA SYSTEMS 100 TONS AND OVER:** Any ammonia system totaling one hundred (100) tons or more rated capacity shall be in the charge of an attending Class I licensed Stationary Engineer where located in any and all buildings, whenever in operation.

**M 122.6 STATIONARY ENGINEER LICENSE APPLICATIONS:** The application for all classes of licenses shall be filed with the Secretary of the Board on the form prescribed by the Board of Stationary Engineers. Within a reasonable time, the Board shall examine all applicants who meet qualifications

under Sections M 122.6.1 thru M 122.6.3 for the various classes of licenses in order to ascertain whether the applicants possess the knowledge, skill, ability and competency required for the class of license applied for, and for safe operation of various equipment. The Board shall issue to such applicants a license upon the Board finding that the applicant possesses the necessary qualifications and has successfully passed the required examination for the type of license sought.

**M 122.6.1 QUALIFICATIONS FOR STATIONARY ENGINEER, CLASS I:**  
All applicants for a Class I Stationary Engineer License shall be a citizen of the United States, shall have made application for such citizenship, or shall be authorized to hold employment by the Immigration and Naturalization Service. The applicant shall be at least twenty one (21) years of age and shall have had at least two (2) years of training under a Class I licensed Stationary Engineer or equivalent training, or shall be registered with the Missouri State Board of Registration for Architects and Professional Engineers as an Engineer or as an Engineer in Training, and shall have been actually employed in the engineering or research division of a power generating plant in an engineering capacity for a minimum of twelve (12) months. The Board may accept twelve (12) months of formal training by a nationally recognized agency in lieu of experience. The applicant shall demonstrate their knowledge, skill, ability and competency to the Board to operate boilers or steam generators of any size or capacity rating which are generating saturated or superheated steam at any pressure in excess of fifteen (15) psig, or hot water or any other liquid as defined in this code, and ammonia systems in excess of one hundred (100) tons capacity, and to operate associated power plant components and auxiliaries, such as steam turbines, engines, air compressors, ammonia systems, pumps, and feed water heaters, electric generators and other equipment.

**M 122.6.2 QUALIFICATIONS FOR STATIONARY ENGINEER, CLASS II:**  
All applicants for a Class II Stationary Engineer License shall be a citizen of the United States, shall have made application for such citizenship, or shall be authorized to hold employment by the Immigration and Naturalization Service and shall be at least nineteen (19) years of age. The applicant shall have had at least one (1) year's experience in the operations of steam boilers or steam generators under the supervision of a Class I or Class II Stationary Engineer or equivalent training, or shall have had one (1) year's experience in maintenance work on steam boilers, steam generators and/or steam engines or steam turbines and/or ammonia systems in excess of fifty (50) tons capacity or shall be registered with the Missouri State Board of Registration for Architects and Professional Engineers as an Engineer or as an Engineer in Training. The Board may accept twelve (12) months of formal training by a nationally

recognized agency in lieu of experience. The applicant shall demonstrate their knowledge, skill, ability and competency to the Board to operate boilers or steam generators which have not more than one thousand five hundred (1,500) square feet of rated heating surface and which are generating saturated or superheated steam in a pressure range of fifteen (15) psig minimum to three hundred (300) psig maximum, or hot water or any other liquid as defined in this code and to operate associated compressors, ammonia compressors, pumps, and feed water heaters, electric generators and other equipment.

**M 122.7 EXAMINATION (ALL CLASSES) FOR STATIONARY ENGINEERS:** The examination for a Class II Stationary Engineer License shall be oral. The examination for Class I Stationary Engineer License shall be both oral and written, provided that the applicant shall attain a predetermined percentage as set by the Board of Stationary Engineers in the written examination before the applicant becomes eligible for the oral examination. The written examination must be completed within six (6) months from the date of application. If the applicant does not pass either the oral or written examination the applicant shall wait ninety (90) days before filing a new application.

**M 122.8 TEMPORARY OPERATION BY UNLICENSED PERSONS:** In cases of emergency, and with the approval of the code official, an owner or steam user may appoint a trustworthy experienced person, familiar with the operation of the plant, as a temporary operator in plants where licensed operators are required by this code.

**M 122.8.1 PERMIT TO OPERATE:** Before a designated person can operate the plant, the code official or duly appointed representative, shall be notified. An inspection of the plant shall be made to determine the fitness of the appointed operator. If such person is found to be fit, a permit shall be issued by the code official for such person to operate the plant on a temporary basis; such permit shall be issued for no longer than thirty (30) days. After issuance of the permit, inspection of the plant thereafter shall be on a daily basis as long as the operator remains in the temporary classification. An inspection fee shall be charged per inspection to the owner or steam user payable upon receipt of bill; total cost to be determined at the conclusion of the daily inspections. See Table M 122.9 for fee schedule.

**M 122.8.2 APPLICATION FOR LICENSE:** Within three (3) working days after permission is granted, the designated operator shall make application to the Board of Stationary Engineers for examination for the class license required for the plant. Application and examination shall be in accordance with the

provisions of section M 122.6. In the case of a Class I examination the applicant shall complete the written portion of the examination within fourteen (14) days. Both written and oral parts of the examination shall be completed so that the applicant's qualifications for licensing shall be determined within the thirty (30) day period of emergency operation. If the Board of Stationary Engineers determine that the applicant has failed the examination, the applicant's permit to operate on a temporary basis shall be revoked immediately and such person shall not be eligible for reappointment as a temporary operator until the examination has been passed.

**M 122.9 LICENSES AND FEES:** At the time of the filing of the application, each applicant for a Boiler Operator Certificate of Competency or Stationary Engineer License, shall pay to the Secretary of the Board of Stationary Engineers a filing fee as set forth in Table M 122.9, to cover the cost of the examination given under the provisions of this section. Provided, further, that under no conditions shall said sum, or any part thereof, be refunded if the applicant fails to pass the examination or if the applicant fails to complete the written examination within the prescribed time limit as set by the Board of Stationary Engineers. All monies received by the secretary shall be paid to the City Treasurer. All applicants passing the examination for a Class I or Class II Stationary Engineer License shall be presented, upon the passage of such examination, with a Stationary Engineer License for the class for which they have been certified. All licenses shall be issued for a period of one (1) year from the date of issuance and shall be renewed each year. The fee for licenses renewal shall be as specified in Table M 122.9.

<b>TABLE M 122.9</b> <b>LICENSE FEES BOARD OF STATIONARY ENGINEERS</b>			
<b>ITEM</b>	<b>FEE</b>	<b>DURATION</b>	<b>REMARKS AND REQUIREMENTS</b>
STATIONARY ENGINEER LICENSE	\$ 15.00		
Examination and Application Fee	15.00	1 year	
Class I	\$ 15.00		
Class II	\$ 10.00	1 year	

Renewal Fee			
Class I			
Class II			
BOILER OPERATORS CERTIFICATE OF COMPETENCY	\$ 8.00	1 year	Includes initial certification Issued for one year from date
Examination Fee	\$ 8.00		
Renewal			
TEMPORARY BOILER PLANT OPERATOR Permit - per day	\$100.00		Issued for up to 30 days

**M 122.9.1 LICENSE TO BE DISPLAYED:** At all times when boilers, steam generators or associated equipment are in use and are operating, there shall be in charge and attendance a licensed Stationary Engineer of the class designated in Subsections M 122.5.1 thru M 122.5.4. The license shall be displayed in some prominent place where the boilers, steam generators and associated equipment are in use and any licensed Stationary Engineer shall be negligent in the performance of their duties, should they fail to display the license or have an invalid license on display while in attendance of boilers, steam generators and associated equipment in their charge and in operation.

**M 122.9.2 RENEWAL:** Boiler Operator Certificates of Competency and Stationary Engineer Licenses shall be renewed annually by the Board of Stationary Engineers upon payment of an annual renewal fee. The Board of Stationary Engineers shall have the power to revoke such certificate or license for cause.

**M 122.9.3 NOTICE OF CHANGE IN EMPLOYMENT:** Every Stationary Engineer or Boiler Operator regulated under the provisions of this section is required to notify the Secretary of the Board of Stationary Engineers, within forty eight (48) hours thereafter, when they accept or leave employment as a Stationary Engineer or Boiler Operator and to submit the name of their new employer.

**M 122.10 PENALTY:** Any owner or steam user of a boiler, steam generator or associated equipment who shall neglect or refuse to employ a licensed Stationary Engineer of the class designated in Section M-122.5, or who allows

any unlicensed person to be in charge and attendance of boilers, steam generator or associated equipment requiring a licensed Stationary Engineer, except as provided for in section M-122.8, shall, upon conviction thereof, be fined not more than five hundred dollars (\$500.00).

**M 122.10.1 PENALTY FOR VIOLATION BY OPERATORS:** Any licensed Class II Stationary Engineer or certified Boiler Operator who shall be in charge and attending the operation of a boiler, steam generator or associated equipment in excess of the legal size and capacity, shall, upon conviction thereof, be fined not more than five hundred dollars (\$500.00). In addition to such fine, the License of such Stationary Engineer or the Certificate of Competency of the Boiler Operator shall be suspended for a period not to exceed ninety (90) days or revoked as determined by the Board of Stationary Engineers.

**M 122.10.2 SUSPENSION OF LICENSE:** The Board of Stationary Engineers shall order the suspension for not exceeding ninety (90) days, or revocation of a Stationary Engineer License or Boiler Operator Certificate of Competency of any person regulated under the provisions of this section where the Board, after a public hearing, finds that the licensee is addicted to drugs or alcohol, or was under the undue influence of drugs or alcohol while in attendance and performing their duties as a licensed Stationary Engineer or certified Boiler Operator, or has been negligent in the performance of their duties while in attendance of the equipment for which they are licensed so as to endanger the lives and property of persons in the immediate area of such equipment; provided further that such person shall be given a ten (10) day notice of the time and place of such hearing. Such person may be represented by counsel at such hearing before such Board. The Board of Stationary Engineers, at their discretion, may order a new examination for applicants for reinstatement of a license or certificate suspended or revoked under the provisions of this section.

The Board of Stationary Engineers shall also order the suspension for a period not to exceed thirty (30) days, of the Stationary Engineers License or Boiler Operator Certificate of Competency of any person licensed under the provisions of this section, where the Board, after a public hearing, shall find that the licensee has failed to comply with the provisions of this section. Such person shall be given a ten (10) day notice of such hearing and may be represented by counsel at such hearing.

**M 122.11 FAILURE TO COMPLY:** Any owner or steam user who fails to comply with the above provisions of this code shall be in violation of this code



and the code official shall and is hereby directed to consider the plant unsafe and officially seal the plant out of service.

Modify Section M 202.0 by the addition or alteration of the following definitions:

**Administrative Authority:** The Building Commissioner and/or the Mechanical Official of the City of Saint Louis, Missouri, and their employees.

**Building Code:** The Building Code officially adopted by the City of Saint Louis, Missouri.

**Department:** The Division of Building and Inspection of the Department of Public Safety of the City of Saint Louis, Missouri.

**Fire Department:** The Fire Department of the City of Saint Louis, Missouri.

**Safety Valve:** A valve that relieves pressure in a closed system by opening fully at the rated discharge pressure. The valve is of the spring pop type. (See also definition in Section M-602.0 for safety valves for boilers and water heaters.)

Change Subsection M 303.2.1 to read as follows:

**M 303.2.1 PIPE:** Pipe shall be noncombustible or insulated if combustible. All insulation shall have a flame spread of 25 or less and a smoke developed rating of 50 or less when tested in accordance with ASTM E84 listed in Chapter 21. Plastic sprinkler pipe shall be permitted exposed in plenums where the piping has a peak optical density not greater than 0.50, an average optical density not greater than 0.15 and a flame spread not greater than 5 feet (1524 mm) when tested in accordance with UL 1887 listed in Chapter 21. Piping shall bear the label of an approved agency.

Change Subsection M 303.4 to read as follows:

**M 303.4 STUD AND JOIST SPACE:** The space between studs or joists shall not be utilized as a plenum for supply air. The space between studs or joists used as a plenum for return air shall not be part of a required fire resistance rated assembly. Air shall not be removed from more than one floor level. All connections shall be firestopped and draftstopped in accordance with the building code listed in Chapter 21. Panning of the joist space for return air is permitted in one and two family dwellings only.

Add Subsection M 303.4.1 to read as follows:

**M 303.4.1 BACK TO BACK DUCT OPENINGS:** The use of back to back duct openings in adjacent bathrooms and toilet rooms is prohibited.

Change Subsection M 308.1 to read as follows:

**M 308.1 LOCATION:** Outside air exhaust and intake openings shall be located a minimum of 10 feet (3048 mm) from lot lines or buildings on the same lot. In multi story structures the location of intake and exhaust openings shall be approved by the code official.

Change Subsection M 308.1.2 to read as follows:

**M 308.1.2 EXHAUST OPENINGS:** Outside exhaust openings shall be located so as to not create a nuisance. Exhaust air shall not be directed onto walkways. Exhaust openings above driveways and alleys shall be located 14 feet above grade measured to the bottom of the opening or equipment if the exhaust equipment protrudes beyond the wall.

Add Subsection M 405.7 to read as follows:

**M 405.7 GUARDS:** Pulleys, belts, gears and similar equipment shall be protected by an approved guard.

Change Subsection M-407.3 to read as follows:

**M 407.3 ACCESS:** Adequate access to appliances located on roofs or other elevated locations shall be provided.

Add Subsections M 407.3.1 thru M 407.3.4

**M 407.3.1 OUTSIDE LADDERS:** Permanent or portable outside ladders may be provided on the inside or outside of single story buildings not over twenty (20) feet in height. All other means of access shall be a permanent or fold away inside stairway or ladder with railings, terminating in an enclosure, scuttle or trap door. Such scuttles or trap doors shall be at least thirty (30) inches in the smallest dimension and shall open easily and safely under all conditions, especially snow, and shall be constructed so as to permit access from the roof side, unless deliberately locked from the inside. At least six (6) feet clearance shall be available between the access opening and the edge of a roof or similar hazard. Otherwise rigidly fixed rails or guards at least three (3) feet in height shall be provided on the exposed side, except that parapets at least three (3) feet in height may be utilized in lieu of guards or rails.

**M 407.3.2 LIGHTING:** Proper permanent lighting shall be provided at the roof access. The switch for such lighting shall be located inside the building near the access means leading to the roof.

**M 407.3.3 ROOF ACCESS:** Every appliance located on a roof of a building shall be installed on a level platform. Whenever the roof has a slope greater than three (3) inches measured vertically to twelve (12) inches measured horizontally, a level working platform not less than thirty (30) inches in depth shall be provided on each downslope side of the appliance. All sides of any working platform shall be protected by a substantial railing thirty six (36) inches in height with vertical rails not more than twenty one (21) inches apart, except that parapets at least thirty six (36) inches in height may be utilized in lieu of rails or guards. Scuttles located on other than the roof incline side of the equipment unit shall have their lids or trap doors hinged on the low side of the scuttle. Such lids or trap doors shall be equipped with means to ensure an opening radius of not less than ninety (90) degrees nor more than one hundred (100) degrees from the closed position. Scuttle lids or trap doors and hardware, when opened, shall be capable of withstanding a three hundred (300) pound lateral load from the roof incline side.

**M 407.3.4 CATWALKS:** Level catwalks not less than twenty four (24) inches wide shall be provided from the roof access to every required working platform at the appliance. Catwalks with slope greater than three (3) inches to twelve (12) inches shall be provided with substantial cleats spaced not more than sixteen (16) inches apart. The downslope side of catwalks on pitched roofs shall be provided with minimum thirty six (36) inch high handrails.

Add Subsection M 408.1.1 to read as follows:

**M 408.1.1 BOILER ROOM ENCLOSURE:** Boiler rooms and furnace rooms in Use Group I 2 and I 3 shall be enclosed in a one hour separation and suppressed in accordance with the BOCA National Building Code. In addition, except for one and two family dwellings or when the boiler is entirely within a dwelling unit, all other boilers or combination boilers shall be installed in a room protected by an enclosure designed to prevent unauthorized entry. Storage or living quarters shall not be permitted in any boiler or similar heating equipment room.

Add Section M 411.0 to read as follows:

## **SECTION M 411.0 RESIDENTIAL AIR CONDITIONERS**

**M 411.1 PERMITS:** No mechanical permit shall be required for residential air conditioning units for dwellings of six (6) families or less.

**M 411.2 RESIDENTIAL SPLIT SYSTEMS:** When a condensing unit for residential uses (R 1, R 2 or R 3) is to be located on grade, it shall not be located in front of the designated building line nor shall it be located in the space between adjacent buildings unless it can be positioned ten (10) feet from the interior property line. When these conditions can not be met, the location shall be as approved by the code official.

**M 411.3 CONDENSER FOUNDATIONS:** All condensing units mounted on grade must be located on a level, four inch (4") thick concrete pad or other foundation approved by the code official prior to installation.

**M 411.4 PROTECTION OF REFRIGERANT LINES:** All piping installed above grade, or underground, shall be protected from damage and corrosion in keeping with recognized standard practice and the recommendations of the manufacturer.

**M 411.5 UNITS IN AREAWAYS:** Where areaways less than four (4) feet exist between buildings, all window units shall be installed not less than seven (7) feet above grade.

Add Section M 412.0 to read as follows:

#### **SECTION M 412.0 ANNUAL INSPECTIONS**

**M 412.1 GENERAL:** All mechanical equipment shall be inspected annually by the code official. Satisfactory conditions shall be denoted by the attachment of an approval sticker to the equipment.

Exceptions:

1. Mechanical equipment in Use Group R 3,
2. Refrigeration equipment of less than 15 tons capacity
3. Kitchen exhaust equipment.

Change Subsection M 501.1 to read as follows:

**M 501.1 SCOPE:** This chapter shall govern the construction, installation, alteration, and repair of all kitchen exhaust equipment. Items not covered by this chapter shall be in accordance with NFPA 96 listed in Chapter 21.

Add Subsections M 504.4.1 and 504.4.2 to read as follows:

**M 504.4.1 PIZZA OVEN:** The exhaust air requirements for a chamber type oven shall be 10 cfm/lineal foot of door opening or 500 cfm, whichever is more. For conveyor type ovens the exhaust air shall be 50 cfm times the total area of the end openings or 500 cfm whichever is more. The hood shall effectively capture the vapors from the air.

**M 504.4.2 DISHWASHING EQUIPMENT HOODS:** The total quantity of air (Q) to be exhausted from dishwashing equipment hoods shall be determined by the following formula:

Pantleg Hoods:  $Q = 150 \text{ cfm/square foot of door area each end.}$

Exhausted Vestibules:  $Q = 15 \text{ cfm/square foot of entrance and exit area.}$  When duct takeoffs are an integral part of the unit, follow manufacturer's recommendations for exhaust rate.

Change Subsection M 504.5.2 to read as follows:

**M 504.5.2 MAKEUP AIR:** Makeup air shall be supplied during the operation of the kitchen exhaust system whenever the volume of air exceeds 1500 cfm. Makeup air must be all outside air equal in volume to the amount exhausted with a minimum of eighty percent (80%) supplied to the kitchen proper. Air exhausting devices shall be interlocked with the required makeup air devices so they operate simultaneously.

The temperature differential between makeup air and air in the conditioned space shall not exceed 10o F (5.5o C).

Exceptions:

1. Makeup air that is part of the air conditioning system.
2. Makeup air that does not decrease the comfort conditions of the occupied space.

Change Subsection M 509.1 to read as follows:

**M 509.1 CLEANING SCHEDULE:** A cleaning schedule shall be maintained by the owner or occupant for every commercial kitchen exhaust system. The schedule shall indicate the methods of cleaning and the time interval between cleanings.

Add Section M 510.0 to read as follows:

## SECTION M 510.0 EXISTING EQUIPMENT

**M 510.1 GENERAL:** Existing kitchen exhaust equipment shall be made of steel or stainless steel, shall be of liquid tight construction throughout the head and associated exhaust duct(s), shall incorporate an approved fire suppression system and shall successfully pass a capture test.

Change title of Chapter 6 to read as follows:

## BOILERS, WATER HEATERS AND UNFIRED PRESSURE VESSELS

Change Subsection M 601.1 to read as follows:

**M 601.1 SCOPE:** In addition to the other provisions of this code, this chapter shall govern the installation, alteration, and repair of water heaters, boilers and unfired pressure vessels. The provisions of the ASME Code for Boilers and Pressure Vessels as listed in Chapter 21 shall apply.

Change Subsection M 604.1 to read as follows:

**M 604.1 VALVES:** Every boiler or battery of modular units shall have a shutoff valve in the supply and return piping. For multiple boiler or battery of modular unit installations, every boiler or battery of modular units shall have individual shutoff valves in the supply and return piping.

Change Subsection M 605.1 to read as follows:

**M 605.1 SAFETY VALVES FOR STEAM BOILERS:** All pressure vessels shall be protected by safety valves as required by the ASME Code for Boiler and Pressure Vessels as listed in Chapter 21.

Add Section M 611.0 to read as follows:

## SECTION M 611.0 BLOW OFF TANKS

**M 611.1 GENERAL:** Blow off tanks shall be designed and fabricated in accordance with Section VIII of the ASME Boiler Code as listed in Chapter 21 and shall be so stamped.

**M 611.1.1 BOILERS LESS THAN 100 PSI:** For boilers carrying one hundred (100) psi steam pressure or less, the heads and shell shall be constructed of not less than one fourth inch (1/4") steel or equivalent strength material.

**M 611.1.2 BOILERS GREATER THAN 100 PSI:** For boilers carrying in excess of one hundred (100) psi pressure, tanks shall be fabricated of materials designed for the pressures carried.

**M 611.2 SIZE:** The size of the tank shall be indicated by the blow down requirements, and the tank installed shall be large enough to blow down one (1) gauge glass of water from one (1) boiler or from any one (1) of a battery of boilers interconnected. The size of the tank shall be of sufficient capacity so the blow down water from the boiler will only fill one half (1/2) the capacity of the tank, and the remaining volume of the tank will be available for the vapor displacement.

**M 611.3 DISCHARGE:** The discharge from the boiler or boilers shall enter the tank above the high water level or surface of the water in such tank. A baffle plate shall be installed in the tank in line with the inlet pipe from the boiler and shall be at least twelve (12) inches from the discharge opening from the boiler into the tank. The outlet opening or discharge from the tank shall be at least two (2) times the area of the inlet pipe, and such outlet pipe shall have an internal pipe built into the tank, extending downward to within four (4) inches of the bottom of the tank. The discharge pipe shall be connected to a sewer through a running trap or to an approved leaching well.

#### **M 611.4 VENTING**

**M 611.4.1 VENT PIPE SIZE:** All blow off tanks shall be properly vented to the outside atmosphere. Such vent pipes shall be at least four (4) times the area of the inlet pipe from the boiler, and such pipe shall not be less than two (2) inch iron pipe size.

**M 611.4.2 PIPE DISCHARGE:** The vent pipe shall be run as directly as possible to the outside atmosphere and in a suitable location so that any steam or water discharged by the blow down of the boiler would not be dangerous or injurious to life.

**M 611.4.3 VENT OBSTRUCTIONS:** The vent shall be free of any pockets or sags that might collect or hold water or cause an obstruction of the pipe and pressure buildup in the tank. The end of the vent pipe shall be protected from the possibility of any obstruction.

M 611.5 MANHOLE: Each blow down tank shall be provided with a suitable manhole for the inspection and cleaning of the tank.

Add Section M 612.0 to read as follows:

#### SECTION M 612.0 RETURN CONDENSATE

M 612.1 MAXIMUM TEMPERATURE: The return condensate from a building heated by a central steam supply may be discharged either into a condensate return system or wasted into a sewer drain connection or approved leaching well. This condensate when discharging into a sanitary sewer system shall not be in excess of one hundred forty degrees Fahrenheit (140oF) and shall discharge into an open floor drain or a special drain connection or approved receptor. If the floor drain or drain connection to the sewer is above the level of the return piping so that it cannot flow by gravity, an automatic sump pump shall be installed to pump the condensate from the sump to the sewer drain.

Add Subsection M 801.6 to read as follows:

M 801.6 GAS PIPING INSTALLATION: Installation of fuel gas piping system, equipment and related accessories, shall be in accordance with this chapter. Items not governed by this chapter shall be in accordance with NFiPA 54 listed in Chapter 21.

Change Subsection M 1215.2 to read as follows:

M 1215.2 CONNECTIONS TO EXHAUSTER: All appliance connections to a chimney or vent equipped with a power exhauster shall be made on the inlet side of the exhauster unless the exhauster is an integral part of the appliance. All joints on the positive pressure side of the exhauster shall be sealed to prevent flue gas leakage.

Change Subsection M 1215.4 to read as follows:

M 1215.4 TERMINATION: The termination of chimneys or vents equipped with power exhausters shall be in accordance with the approved specifications of the manufacturer of the appliance except that they shall not exhaust over public ways or walkways.

Change Subsection M 1306.2.3 to read as follows:



M 1306.2.3 DISCHARGE OF AMMONIA: Where ammonia is utilized, the ammonia shall discharge into a tank of water which shall not be utilized for any other purpose except ammonia absorption.

Delete Chapter 17 in its entirety. NOTE: Air Quality Control is under the jurisdiction of the Commissioner of the Division of Air Pollution Control.

Change Subsections M 1903.1.1 and M 1903.1.2 to read as follows:

M 1903.1.1 OUTDOOR PARAMETERS: For calculations under this section, the following design conditions shall apply:

Outdoor Design Temperature

Winter db 0oF

Summer db 95oF wb 75oF

Heating Degree Days 5,000

Degrees North Latitude 38 degrees 40 minutes

Solar Factor Value 126 BTU/HOUR/SQUARE FOOT

M 1903.1.2 INDOOR PARAMETERS: The indoor parameters shall be:

Indoor Design Temperature

Winter 70oF

Summer 78oF

Change Section M-2001.4 to read as follows;

M-2001.4 BOILER OPERATOR CERTIFICATE OF COMPETENCY: See Section M-122.0

Delete Subsection M 2001.4.1

Change Subsections M-2002.1 thru M 2002.3 to read as follows:

M 2002.1 PERIODIC INSPECTIONS: All boilers, steam generators and pressure vessels subject to the provisions of this code shall be inspected

annually by the code official or representative. The inspection shall be as thorough as circumstances permit.

EXCEPTION: Heating boilers or pressure vessels which are located in buildings of Use Group R 3 or Use Group R-2 having six dwelling units or less.

M 2002.2 CERTIFICATE OF INSPECTION: A boiler, steam generator or unfired pressure vessel subject to the provisions of this code shall not be placed in operation until a sticker denoting inspection and approval has been applied to the vessel.

M 2002.3 MAJOR REPAIRS: Welded repairs to boilers, steam generators and unfired pressure vessels subject to the provisions of this code shall be performed only by those organizations which possess the appropriate ASME Certificate of Authority with extension to field work or an "R" Certificate of Authority issued by the National Board of Boiler and Pressure Vessel Inspectors. A permit shall be required for such work. The fee shall be the same as the fee for installation of the vessel as set forth in Table M-113.2. A hydrostatic test shall be performed on the vessel before it is returned to service.

Change Section M 2002.6 to read as follows:

M 2002.6 HYDROSTATIC PRESSURE: The pressure of a hydrostatic test for all new vessels subject to the provisions of this Code shall be as specified in the appropriate section of the ASME Boiler Code listed in Chapter 21. The pressure for vessels previously in service shall be as specified in the National Board Inspection Code listed in Chapter 21.

Delete Subsection M-2002.9

Change Subsection M 2003.1 to read as follows:

M 2003.1 GENERAL: Any boiler or pressure vessel which, in the opinion of the code official, constitutes a hazard shall be deemed unsafe and sealed out of service.

Modify Chapter 21 by adding the following:

ANSI

NB 23 National Board Inspection Code.....M 2002.6

## ASME

Code for Boilers and Pressure Vessels 1989

Sections I thru X .....M 601.1, M- 605.1, M- 611.1, M-2001.2, M-2002.6,  
M-2002.7

## NFiPA

54 1992 National Fuel Gas Code .....M 801.6

96 1994 Cooking Equipment, Vapor Removal .....M 501.1

Section Four. That nothing in this Ordinance or in the Mechanical Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section One of this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

Section Five. This being an ordinance necessary for the immediate preservation of the public safety, it is hereby declared to be an emergency measure and shall become effective immediately upon its approval by the mayor.

Section Six. It is the intent of the Board of Aldermen that Section Two and Section Three of this ordinance be codified in the Revised Code of the City of Saint Louis.

Legislative History				
1ST READING	REF TO COMM	COMMITTEE	COMM SUB	COMM AMEND
12/01/95	12/01/95	PS		
2ND READING	FLOOR AMEND	FLOOR SUB	PERFECTN	PASSAGE
12/08/95			12/12/95	12/12/95
ORDINANCE	VETOED		VETO OVR	
63621				

